

## ■ GEOMETRY ADJUSTMENT PROCEDURE

### 1. "BL PHA".

- Receive Philips pattern signal.
- When  $\triangle/\wedge$  button is pressed, picture moves to the left.
- When  $\triangle/V$  button is pressed, picture moves to the right.
- Adjust the horizontal location to obtain picture centering (fig. 1).

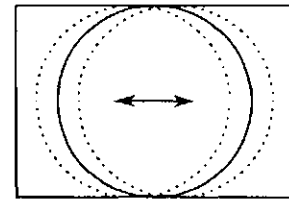


Fig. 1

### 2. "VER PO".

- Receive Philips pattern signal.
- When  $\triangle/\wedge$  button is pressed, picture moves up.
- When  $\triangle/V$  button is pressed, picture moves down.
- Adjust the horizontal location to obtain picture centering (fig. 2).

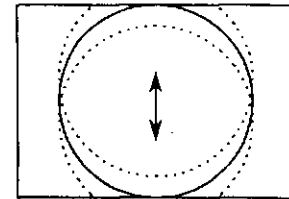


Fig. 2

### 3. "VER AM".

- Receive Philips pattern signal.
- When  $\triangle/\wedge$  button is pressed, vertical size of picture increases.
- When  $\triangle/V$  button is pressed, vertical size of picture decreases.
- Adjust the vertical size to obtain overscan (fig. 3).

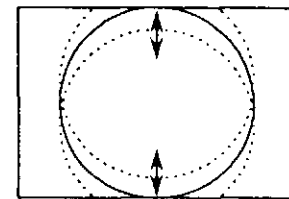


Fig. 3

### 4. "VER SM".

- Receive Philips pattern signal.
- When  $\triangle/\wedge$  button is pressed, upper picture scanning decreases and lower picture scanning increases.
- When  $\triangle/V$  button is pressed, upper picture scanning increases and lower picture scanning decreases.
- Adjust the vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. 4).

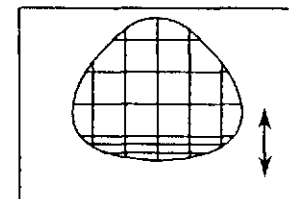


Fig. 4

## COLOUR ADJUSTMENT

### 5. "LUMA D".

- Receive Philips pattern signal.
- When  $\triangle/\wedge$  button is pressed, luma phase delays.
- When  $\triangle/V$  button is pressed, chroma phase delays.
- Adjust the chroma-luma delay.

The following adjustments are only required when the Picture Tube is changed.

### 6. "GAIN R", "GAIN G", "GAIN B".

- Adjust G2.
- Tune in white card.
- Adjust colour to minimum.
- Position colourmeter in the center of screen.
- Using brightness and contrast buttons, select a luminance of  $\approx 120$  nits.
- Operate again in Service Mode and select location GAIN R, GAIN G, GAIN B to obtain colour coordinates:  

$$X = 0.290 \pm 0.015$$

$$Y = 0.284 \pm 0.015$$
- Exit Service Mode and check colour coordinates 'X' and 'Y' at 20 and 120 NITS. It may be necessary to repeat procedure.

### NOTE:

Locations: GAIN R alter 'X' coordinate; GAIN G alter the 'Y' coordinates; GAIN B alter the 'X' and 'Y' coordinates.